

Attorney Docket No.: UT-0037
Inventors: Rao and Proschel
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This listing of the claims will replace all prior versions
and listings of claims in the application:

Listing of the claims:

Claims 1-32 (canceled)

Claim 33: (previously presented) An isolated, pure, homogeneous population of mammalian neuroepithelial stem cells derived from the neural tube from a mammalian embryo at a stage of embryonic development after closure of the neural tube which require fibroblast growth factor for proliferation and self-renewal and which differentiate into CNS neuronal cells and CNS glial cells, comprising oligodendrocytes, A2B5-positive astrocytes and A2B5-negative astrocytes.

Claim 34: (currently amended) An isolated, pure, homogeneous population of mammalian glial-restricted precursor cells derived from a the neural tube from a mammalian embryo at a stage of development after closure of the neural tube, wherein said glial-restricted precursor cells self-renew in adherent feeder-cell-independent culture medium and differentiate into CNS glial cells, comprising oligodendrocytes, A2B5-positive astrocytes, and A2B5-negative astrocytes, but do not respond to PDGF by differentiating into CNS neuronal cells.